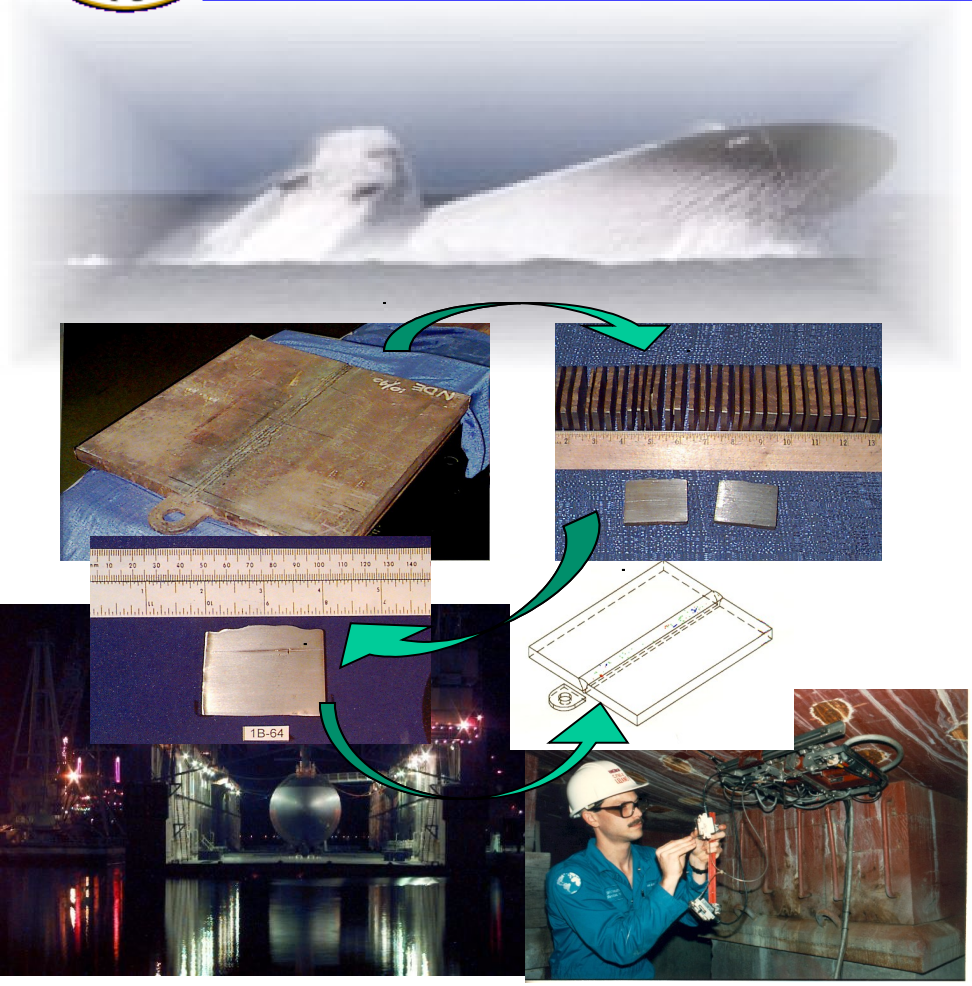
Weld Defect Sizing using Ultrasonic NDE

Materials and Processing Technology Group

Non-Destructive Evaluation for Aging Military Platforms Panel



Thick Section Weld Round Robin

Welds purposely fabricated as well as removed from decommissioned submarine formed basis of collaborative round robin

Program Name: Ultrasonic Defect Sizing Thick-Section Welds

Objectives: Assess the ability of ultrasoni systems and methods to detect, locate, an size weld defects. Determine limitations of systems used.

Payoff: Participation provided comparative assessment of ultrasonic detection and sizi techniques. Lesson learned now employ cr tip diffraction method for more accurate siz

Participants:

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